

## **815 KAR 20:180. Special connections.**

RELATES TO: KRS 318.010, 318.130

STATUTORY AUTHORITY: KRS 318.130

NECESSITY, FUNCTION, AND CONFORMITY: KRS 318.130 requires the office, after review by the State Plumbing Code Committee, to promulgate an administrative regulation establishing the Kentucky State Plumbing Code regulating plumbing, including the methods and materials that may be used in Kentucky. This administrative regulation establishes requirements regarding waste, other than sanitary wastes.

Section 1. Commercial Laundry Wastes. Waste from commercial and institutional washing machines and extractors shall not discharge into an open trench, unless the trench is drained into at least a four (4) inch trap, with a full-size vent. The trench shall be constructed of a material resistant to alkaline waste.

Section 2. Semicommercial Laundries (Automatic). (1) Waste from semicommercial laundries shall discharge into a four (4) inch waste line for washing machines only.

(2) The waste line shall have a full-size vent and the base of the stack shall be washed by either a washing machine or starch sink.

(3) A four (4) inch trap shall be provided in the waste line to serve not more than two (2) washing machines.

(4) Floor drains may be placed in the waste line.

(5) If they are the pump type, a stand pipe shall be provided to the height of the machine.

(6) Each four (4) inch trap shall constitute four (4) fixture units. A washing machine shall not discharge into a trench.

Section 3. Washing Machines, Automatic, Residential (New Buildings). An automatic washing machine installed in a new building, shall have a two (2) inch trap and shall be vented in accordance with 815 KAR 20:080. The trap shall be installed twelve (12) inches above the floor with a two (2) inch stand pipe extended to the height of the washer. If a washing machine discharges into a private disposal system, fifty (50) feet additional lateral shall be added to the sewage system.

Section 4. Washing Machines, Automatic, Residential (Old Buildings). An automatic washing machine installed in an old building, shall be connected to the house sewer by the use of a four (4) inch cast-iron P-trap, placed on the outside of the building on the opposite side of the wall of the washing machine. The trap shall have a vented cover extending three (3) inches above the grade line. A four (4) inch by two (2) inch tee shall be installed in the inlet side of the trap with a two (2) inch waste pipe extending into the building through the floor to the height of the washing machine. All waste piping shall conform with 815 KAR 20:080.

Section 5. Air Conditioning Equipment. (1) Air conditioning equipment installed with a water supply and waste shall conform with 815 KAR 20:090, Sections 29 and 32. Evaporative cooler, air washer, air handling or similar air conditioning equipment shall not have any drain pipe directly connected to any soil, waste or vent pipe. The equipment shall be drained by means of indirect waste pipe. The indirect waste shall discharge through an air gap or air break into an open floor sink, floor drain, or other approved type receptor which is properly connected to the drainage system, except that an air gap shall be required if the indirect waste pipe may be under vacuum.

(2) The condensate or waste pipe from an air conditioning unit shall be classified as a plumbing fixture only if directly connected to the plumbing system.

Section 6. Garage Sand Trap. A garage sand trap shall be constructed of concrete with a heavy cover or grate. The minimum size shall be two (2) feet by four (4) feet and it shall have sufficient depth so that there is at least a ten (10) inch vertical distance between the bottom of the outlet ell and the bottom of the trap. Sand traps shall be provided with a four (4) inch vent.

Section 7. Inflammable Waste. Liquid waste from buildings using gasoline, benzine, naphtha or other inflammable oils or compounds shall discharge into a separator before it enters a sanitary sewer. The waste line receiving the waste shall be trapped and vented in accordance with 815 KAR 20:080 and 20:090. The separator shall be provided with a three (3) inch vent.

Section 8. Hot Water, Steam Blow-offs or Exhaust. Hot water or steam or exhaust blow-offs shall discharge into a tank or basin before entering the house drain or sewer. The tank or basin shall have an airtight cover and be provided with a four (4) inch vent independent of any other venting system.

Section 9. Stable Manure Pits. All liquid waste from barns, stable manure pits and stable yard drains shall discharge through a separator before entering the house sewer.

Section 10. Pedicure Chairs. (1) A two (2) inch open receptacle may receive the discharge from up to two (2) pedicure chairs. Three (3) to six (6) chairs shall have a minimum of a three (3) inch open receptacle.

(2) A branched tail piece discharge for a pump-type pedicure chair may be used in an existing location only after approval of the Division of Plumbing.

(3) If the water inlet for a pedicure chair is below the flood level rim or is equipped with a spray hose, it will be treated as a high hazard and require a reduced pressure principle backflow preventer on both the hot and cold supply. (Recodified from 401 KAR 1:140, 7-5-78; Am. 10 Ky.R. 457; eff. 11-2-83; 17 Ky.R. 2896; eff. 5-3-91; 32 Ky.R. 375; 666; 11-4-05.)